



UNITED STATES PATENT AND TRADEMARK OFFICE  
UNITED STATES RECEIVING OFFICE (RO/US)  
(Case No. 00-1120)

GAU 2651# 7  
PATENT  
BA 8/27/01

IN THE APPLICATION OF:

Ramanujam et al.

U.S. Application No. 09/674,402

U.S. National Phase PCT/HU99/0035

Of International

Application No.:

Filed: January 2, 2001

Title System And Method For  
Recording Of Information On A  
Holographic Recording  
Medium, Preferably An Optical  
Card

Examiner: To be Assigned

Group Art Unit: 2651

BOX DD

Commissioner for Patents

Washington, D.C. 20231

RECEIVED  
AUG 23 2001  
Technology Center 2600

Sir:

TRANSMITTAL LETTER

In regard to the above identified application:

1. We are transmitting herewith the attached:

- a. Information Disclosure Statement;
- b. Form PTO-1449;
- c. Copy of IDS Citations 09/674,402 (14 references);
- d. Return Receipt Postcard.

2. With respect to additional fees:

☒ No additional fee is required.

3. Please charge any additional fees or credit overpayment to Deposit Account No.13-2490. A duplicate copy of this sheet is enclosed.

4. CERTIFICATE OF MAILING UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Box DD, Washington, D.C. 20231 on this 16<sup>th</sup> day of August, 2001.

By :

Vernon W. Francissen

Reg. No. 41,762



PATENT

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INFORMATION DISCLOSURE STATEMENT

BOX DD  
Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Pursuant to the duty of disclosure provided by 35 C.F.R. § 1.56 and §§ 1.97-98, the applicants wish to make the following references of record in the above-identified application. Copies of the references are enclosed. Copies are also listed in the PTO-1449 form enclosed herewith. It is requested that the documents be given careful consideration and that they be cited of record in the prosecution history of the present application so that they will appear on the face of the patent issuing from the present application.

Portions of the references may be material to the examination of the pending claims, however no such admission is intended. 37 C.F.R. 1.97 (h). The references have not been reviewed in sufficient detail to make any other representation and, in particular,

no representation is intended as to the relative importance of any portion of the references. This Statement is not a representation that the cited references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. sections 102 or 103, nor is this submission to be construed as a representation that a search has been made.

### CITED REFERENCES

**RECEIVED**

AUG 23 2001

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#### **U.S. Patent Documents**

Document Number	Date	Name	Class	Sub Class	Filing Date of App.
4,888,260	12/19/1989	Cowan	430	1	08/10/1987
5,566,387	10/15/1996	Dewald	369	103	06/15/1994
5,633,100	05/27/1997	Michish et al.	430	1	11/27/1991
5,671,073	09/23/1997	Psaltis et al.	359	22	02/15/1995
5,710,645	01/20/1998	Phillips et al.	359	1	10/23/1995

#### **Foreign Patent Documents**

Document Number	Date	Country	Class	Sub Class	Translation Yes/No
WO97/02563	01/23/1997	PCT	G11B	7/00	
JP 07065138	03/10/1995	Japan	G06K	19/06	Yes-abstract
DE19534501	05/23/1996	Deutschland	G11B	7/007	Yes-abstract

#### **Other Documents**

Citation
Hvilsted et al., " <i>Side-chain liquid-crystalline polyesters for optical information storage</i> ", Optics Letters, Vol. 17, no. 17, 1 September 1992, pages 1234-1236, NY.
Eichler et al., " <i>High Density Disc Storage By Multiplexed Microholograms</i> ", SPIE Vol. 3109, 1997, PP. 239-244.
Ramanujam et al., " <i>Side-Chain Liquid Crystalline Polyesters For Optical Information Storage</i> ", Polymers For Advanced Technologies, Vol. 7, February 29, 1996, pp. 768-776.

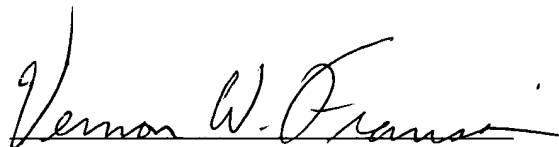
Citation
Todorov et al., " <i>Polarization Holography. 1: A New High-Efficiency Organic Material With Reversible Photoinduced Birefringence</i> ", Applied Optics, Vol. 23 No. 23, December 1, 1984, pp. 4309-4312.
Todorov et al., " <i>Polarization Holography. 2: Polarization Holographic Gratings In Photoanisotropic Materials With And Without Intrinsic Birefringence</i> ", Applied Optics, Vol. 23 No. 24, December 15, 1984, pp. 4588-4591.
Denz et al., " <i>Volume Hologram Multiplexing Using A Deterministic Phase Encoding Method</i> ", Optics Communications vol. 85, number 2,3, September 1, 1991, pp. 171-176.

Respectfully submitted,

**McDonnell Boehnen Hulbert & Berghoff**

Date: August 16, 2001

By:



**Vernon W. Francissen**

**Registration No. 41,762**

Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

00-1120

09/674,402

List of Patents and Publications for Applicant's

Applicant

INFORMATION DISCLOSURE STATEMENT

Ramanujam et al.

Filing Date:

Group:

January 2, 2001

2651

(Use several sheets if necessary)

U.S. Patent Documents

Foreign Patent Documents

Other Art

See Page 1

See Page 2

See Page 2

## U.S. Patent Documents

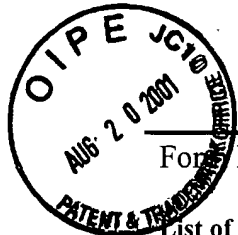
Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	4,888,260	12/19/1989	Cowan	430	1	08/10/1987
	A2	5,566,387	10/15/1996	Dewald	369	103	06/15/1994
	A3	5,633,100	05/27/1997	Michish et al.	430	1	11/27/1991
	A4	5,671,073	09/23/1997	Psaltis et al.	359	22	02/15/1995
	A5	5,710,645	01/20/1998	Phillips et al.	359	1	10/23/1995
	A6						
	A7						
	A8						
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	A11						
	A12						
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	A15						
	A16						
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	A18						
	A19						
	A20						

EXAMINER:

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EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)



Form PTO-1449 (modified) List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Atty. Docket No. 00-1120	Serial No. 09/674,402
	Applicant  Ramanujam et al.	
	Filing Date: January 2, 2001	Group: 2651
	U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 2

**Foreign Patent Documents**

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	B4						
	B5						

**Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

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	C1	Hvilsted et al., "Side-chain liquid-crystalline polyesters for optical information storage", Optics Letters, Vol. 17, no. 17, 1 September 1992, pages 1234-1236, NY.
	C2	Eichler et al., "High Density Disc Storage By Multiplexed Microholograms", SPIE Vol. 3109, 1997, PP. 239-244.
	C3	Ramanujam et al., "Side-Chain Liquid Crystalline Polyesters For Optical Information Storage", Polymers For Advanced Technologies, Vol. 7, February 29, 1996, pp. 768-776.
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	C5	Todorov et al., "Polarization Holography. 2: Polarization Holographic Gratings In Photoanisotropic Materials With And Without Intrinsic Birefringence", Applied Optics, Vol. 23 No. 24, December 15, 1984, pp. 4588-4591.
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	C7	
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	C9	
	C10	

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**INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)**